

## BIBLIOGRAPHY.

## RECENT ADDITIONS TO THE WEATHER BUREAU LIBRARY.

C. FITZHUGH TALMAN, Professor in Charge of Library.

The following have been selected from among the titles of books recently received as representing those most likely to be useful to Weather Bureau officials in their meteorological work and studies:

**Alter, Dinsmore.**

Application of Marvin's periodocrite to rainfall periodicity. Lawrence. 1920. p. 109-115. plates. 23 cm. (Kansas university science bulletin. v. 13, no. 9, May, 1920.)

Continuation of investigation of a possible rainfall period equal to one-ninth the sun-spot period. Lawrence. 1920. p. 101-105. 23 cm. (Kansas university science bulletin. v. 13, no. 8, May, 1920.)

**Babinet, A., & Maillet, E.**

Bassin de la Loire. Notice hydrologique. Paris. 1919. x, 74 p. chart. 27 cm.

**Baker, Oliver E., & others.**

Seedtime and harvest. A graphic study of seasonal work on farm crops. Washington. 1922. 53 p. diagr. 23½ cm. (U. S. Dept. of agriculture. Dept. circular 183.)

**Bigelow, Frank Hagar.**

Treatise on the sun's radiation. Supplement no. 3. The vacuum-pyrheliometer and the solar-radiation. Vienna. 1922. vi, 40 p. diagr. 23 cm.

**Brown, James, & son, publishers.**

Brown's meteorology for masters and mates. Being questions and answers based on the information contained in the "Barometer manual" and "Seaman's handbook of meteorology." 5th ed. Glasgow. 1920. 96 p. figs. 21½ cm.

**Burnham, Guy H.**

Economic effects of New England's unprecedented ice storm of November 25-29, 1921. p. 161-169. illus. 26 cm. (Excerpt: Journal of geography. v. 21, May, 1922.)

**Canada. Dominion bureau of statistics.**

Canada year book. 1920. Ottawa. 1921. xviii, 768 p. maps. 23 cm. ["Climate and meteorology" p. 164-187. Includes normals for selected Canadian stations.]

**Conrad, Viktor.**

Beiträge zu einer Klimatographie der Balkanländer. Wien. 1921. p. 425-467. 23 cm. (Sitzungsberichte der Akademie der Wissenschaften, Math.-naturw. Klasse. Abt. IIa, 130 Bd., 9-10. Heft, 1921.)

**Crestani, Giuseppe.**

Le cappe. Torino. 1919. 11 p. illus. 28 cm. (Extr. Bollettino bimensuale della Società meteorologica italiana. Anno 1918. N. 1-6.)

Come si può determinare l'altezza delle nubi. 7 p. 26½ cm. (Extr. Meteorologia pratica. Anno 2, N. 1. 1921.)

Le condizioni atmosferiche predominanti nelle regioni attraversate col raid Roma-Tokio. 6 p. illus. 31½ cm. (Extr. Aeronautica. N. 2, Aprile, 1920.)

Considerazioni sulla tecnica dell' esplorazione atmosferica eseguita col palloncino pilota, sull' esame e sulla discussione dei risultati ottenuti con tal metodo. Roma. 1918. 7 p. figs. 31 cm. (Extr. Rivista italiana di aeronautica, ott.-dic., 1917, gen.-feb., 1918.)

Della definizione e segnalazione di "temporale." Torino. 1921. 3 p. 27½ cm. (Extr. Società meteorologica italiana, Bollettino bimensuale. N. 5-12. Anno 1920.)

I temporali e i groppi in relazione alla navigazione aerea. Roma. 1917. 12 p. illus. 31½ cm. (Extr. Rivista italiana di aeronautica, mag.-giug., N. 5-6, 1917.)

Nomenclatura e classificazione delle nubi. Torino. 1921. 11 p. 18½ cm. (Extr. Atti del congresso della Società meteorologica italiana.)

Le nubi brandelli. Torino. 1921. 3 p. 27½ cm. (Extr. Società meteorologica italiana, Bollettino bimensuale. N. 7-9. Anno 1921.)

Le nubi temporalesche. Torino. 1920. 7 p. 28 cm. (Extr. Società meteorologica italiana. Bollettino bimensuale. N. 1-4. Anno 1920.)

**Crestani, Giuseppe—Continued.**

Per la previsione del vento. 8 p. figs. 25 cm. (Extr. Aeronauta. Anno 1, N. 5, giug., 1918.)

Temporalis e groppi in Italia. Roma. 7 p. illus. 25 cm. (Extr. Aeronauta. Anno 1, N. 2, marzo 1918.)

Le variazioni del vento nel tempo e nello spazio con speciale riguardo all' angolo di pilotaggio. Subiaco. 1920. 4 p. 26½ cm. (Extr. Meteorologia pratica. Anno 1, N. 3, mag.-giug., 1920.)

**Descombes, Paul.**

Sur la variation des pluies et des condensations occultes d'après l'altitude. Grenoble. 1922. 12 p. illus. 24 cm. (Extr. Houille blanche. Nov.-déc., 1921.)

**Fabris, Cesare.**

La legge di Buys-Ballot e il vento in Italia. pt. 1-2. illus. 25 cm. (Extr. Aeronauta. Anno 1, N. 2, marzo, 1918; N. 10-11, nov.-dic., 1918.)

**Follansbee, Robert, & Jones, Edward E.**

Arkansas river flood of June 3-5, 1921. Washington. 1922. 44 p. plates. 23 cm. (U. S. Geological survey. Water-supply paper 487.)

**France. Service météorologique militaire.**

Étude et prévision de certaines variations barométriques. [Paris.] n. d. 53 p. plates. 32 cm. [Manifolded.]

**Germany. Reichs-Marine-Amt.**

Eis um Island und Ost-Grönland. Mit 19 Jahrgängen Eiskarten für die Monate Mai bis August. Berlin. 1916. 66 p. charts. 23 cm.

**Giacomelli, [R.]**

Irre la costruzione e la manovra dei cervi volanti. Roma. 1916. 8 p. illus. 32½ cm.

Questioni di nomenclatura. Il gruppo di vento. 2 p. 25 cm. (Extr. Aeronauta. Anno 1, N. 2, marzo 1918.)

**Goldberg, Marie.**

Niederschlag und Abfluss im Etschgebiet. p. 182-223. figs. plate. 24½ cm. (Extr. Geographischer Jahresbericht aus Österreich. Bd. 11. Wien. 1915.)

**Gorczyński, Ladislas.**

Sur le calcul de degré du continentalisme et son application dans la climatologie. p. 324-331. 24½ cm. (Geografiska annaler. H. 4, 1920.) [Abstract in later REVIEW.]

Sur les dépressions observées dans les valeurs de l'intensité du rayonnement solaire. Torino. 1921. 4 p. 27 cm. (Extr. Società meteorologica italiana, Bollettino bimensuale. N. 4-6. Anno 1921.)

**Hall, Maxwell.**

Earthquakes in Jamaica from 1688 to 1919. Jamaica. 1922. 58 p. figs. 33 cm.

**Italy. R. Servizio aerologico.**

Norme per il lancio ed inseguimento dei palloni piloti nelle ore della notte. Roma. 1913. unpag. illus. 27½ cm. [Manifolded.]

Preparazione e correzione del tiro. n. p. n. d. 15 p. 35 cm. [Manifolded.]

Scomposizione del vento balistico nel piano di tiro e nel piano perpendicolare. n. p. n. d. [3 p.] 24 cm.

**Johansson, Osc. V.**

Die ausserordentliche Haloerscheinung am 10. März 1920 in Süd-Finnland. Helsingfors. 1920. 24 p. plate. 29½ cm. (Acta societatis scientiarum fennicae. T. 50. N. 1.)

**Matteuzzi, I.**

Relazione sul lavoro compiuto dal Servizio aerologico fino all'inizio del funzionamento del R. Servizio aerologico italiano (1° luglio 1913). (R. decreto N. 455 in data 27 febbraio 1913.) Venezia. 1913. 8 p. plates. 27½ cm. (Extr. Bollettino N. 24 del R. Comitato talassografico italiano.)

**Nansen, Fridtjof.**

Spitzbergen. Leipzig. 1921. 327 p. illus. plates. maps. 23½ cm. [Contains meteorological data.]

**Sifontes, Ernesto.**

Análisis de los valores meteorológicos registrados en ciudad Bolívar, en dicho año. Bolívar. 1922. 4 sheets. 70 cm. (Climatología tropical. El año climatológico en Guayana. 1921.)

**Stefansson, Vilhjalmur.**

Friendly arctic. The story of five years in polar regions. New York. 1921. xxxi, 784 p. plates. maps. 23 cm.

**Stenz, Édouard.**

Intensité de la radiation solaire et l'insolation à Varsovie pendant la période 1913-1918. Varsovie. 1922. 39 p. figs. 30 cm. [Text in Polish and French.] (Rocznika państwowego instytutu meteorologicznego. 1919.)

**Villamil, R. de.**

Soaring flight. A simple mechanical solution of the problem. London. 1920. 48 p. 19 cm.

**Vittrant, Michel.**

Deux graphiques sur les variations lunaires de la température. 4 p. diagr. 23½ cm. (Extr. Bulletin des sciences de l'Université de Changhai (L'Aurore) 1922.)

**Winchell, Alexander N., & Miller, Eric R.**

Great dustfall of March 19, 1920. p. 349-364. fig. 23½ cm. (Extr. American journal of science. v. 3, May, 1922.)

RECENT PAPERS BEARING ON METEOROLOGY AND SEISMOLOGY.

C. F. TALMAN, Professor in Charge of Library.

The following titles have been selected from the contents of the periodicals and serials recently received in the Library of the Weather Bureau. The titles selected are of papers and other communications bearing on meteorology and cognate branches of science. This is not a complete index of all the journals from which it has been compiled. It shows only the articles that appear to the compiler likely to be of particular interest in connection with the work of the Weather Bureau.

*Aérophile*. Paris. 30 année. 1-15 Avril 1922.

**Rouch, J.** Le vent en altitude à Bayonne. p. 105-110. Abstract in this REVIEW, pp. 244-245.

*Akademie der Wissenschaften. Sitzungsberichte*. Wien. Abt. IIa. Bd. 129. H. 9 & 10. 1920.

**Schweidler, Egon.** Zusammenfassender Bericht über die Beobachtungen an der luftelektrischen Station Seeham in den Sommern 1916 bis 1920. p. 919-927.

*American journal of science*. New Haven. (5) v. 3. June, 1922.

**Sayles, Robert W.** The dilemma of the paleoclimatologists. p. 456-473.

*American society of civil engineers. Proceedings*. New York. v. 48. May, 1922.

**Freeman, John R.** Flood problems in China. p. 1113-1167. [Includes rainfall map of China, p. 1163.]

**Grunsky, C. E.** Some factors affecting the problem of flood control. p. 1191-1205.

*American society of civil engineers—Continued.*

**Matther, Gerard H.** Floods on small streams caused by rainfall of the cloudburst type. p. 1096-1107.

**Sullivan, J. G.** Flood conditions in Canada. p. 1092-1095.

*France. Académie des sciences. Comptes rendus*. Paris. t. 174. 6 juin 1922.

**Pons & Rémy.** Sur la coloration ocre que présentèrent en mars 1922 les neiges du Briançonnais. p. 1482-1483.

*Geographical journal*. London. v. 59. June, 1922.

**B., R. N. R.** Dr. Henry Newton Dickson, C. B. E. p. 478-479. [Obituary.]

*Harvard college. Astronomical observatory. Annals*. Cambridge, Mass. v. 86, pt. 1. 1921.

**Fisher, Willard J.** Low sun phenomena. p. 38-45.

**McAdie, Alexander.** C. G. S. units in aerography—kilobar, kilocal, kilograd. p. 46-56.

**McAdie, Alexander.** Height and velocity of low clouds in relation to surface humidity and wind. p. 33-37.

**Paine, George Porter.** The measurement of atmospheric humidity. p. 57-61.

*Heating and ventilating magazine*. New York. v. 19. June, 1922.

**Hart, H. M.** New method proposed of arriving at heat losses due to wind. A suggestion based on Weather Bureau records of wind velocities and directions during cold spells. p. 31-32.

*Geofysiske kommission Kristianiu. Geofysiske publicationer*. v. 2, no. 5. 1922.

**Vegard, L.** Determination of the wave length of the green line of the auroral spectrum. 11 pp.

*Meteorologia pratica. Montecassino. Anno 3. Marzo-Aprile 1922.*

**Gamba, Pericle.** Il "teodolite nefometrico." p. 41-44.

**Giorgi, Cosimo de.** L'osservatorio meteorico di Lecce e la rete termopluviometrica salentina. p. 65-67.

**Grablovitz, Giulio.** Anno climatologico. p. 45-49.

L'osservatorio meteorico-aerologico-geodinamico di Montecassino. p. 63-65.

**R. osservatorio di Rocca di Papa.** p. 67-68.

**Tenani, M.** Il motore a vento e le condizioni meteorologiche che ne determinano l'impiego. p. 50-55.

*Meteorological magazine*. London. v. 57. May, 1922.

**Salter, M. de Carle S.** The development of water resources. p. 92-95.

**Whipple, F. J. W.** New light on the significance of wet bulb temperature. p. 89-91.

*Nature*. London. v. 109. 1922.

**Oldham, R. D.** Cause and character of earthquakes. p. 685-687. (May 27.)

**Adolphus Collenette.** p. 788 (June 17.) [Obituary.]

*Popular astronomy*. Northfield, Minn. v. 30. June-July, 1922.

**Photograph of a small tornado.** p. 325-326.

*Science*. New York. v. 55. June 9, 1922.

**Meisinger, C. LeRoy.** The streamflow experiment at Wagon Wheel Gap, Colo. p. 622-624.